

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125996.D
 Acq On : 28 Oct 2021 19:01
 Operator : JU/CG
 Sample : M4336-05 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C4

Manual Integrations
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Quant Time: Oct 29 10:42:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	172424	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	623540	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	304319	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	512129	20.000	ng	0.00
76) Chrysene-d12	14.015	240	366180	20.000	ng	0.00
86) Perylene-d12	15.480	264	259383	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	240860	20.807	ng	-0.01
7) Phenol-d6	6.475	99	317099	19.972	ng	-0.01
23) Nitrobenzene-d5	7.416	82	179532	14.872	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	34586	13.037	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	290393	16.875	ng	0.00
79) Terphenyl-d14	12.963	244	292820	13.080	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.404	178	294359	11.077	ng	99
72) Anthracene	11.451	178	79762	3.006	ng	98
75) Fluoranthene	12.592	202	674622	25.183	ng	97
78) Pyrene	12.827	202	1525048	44.753	ng	97
81) Benzo(a)anthracene	14.010	228	519663	21.085	ng	99
83) Chrysene	14.045	228	476518	19.110	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	85725m	4.588	ng	
88) Benzo(b)fluoranthene	15.057	252	268628m	15.690	ng	
89) Benzo(k)fluoranthene	15.080	252	86403m	5.254	ng	
90) Benzo(a)pyrene	15.421	252	191878	13.882	ng	96
92) Benzo(g,h,i)perylene	17.374	276	80034	5.060	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

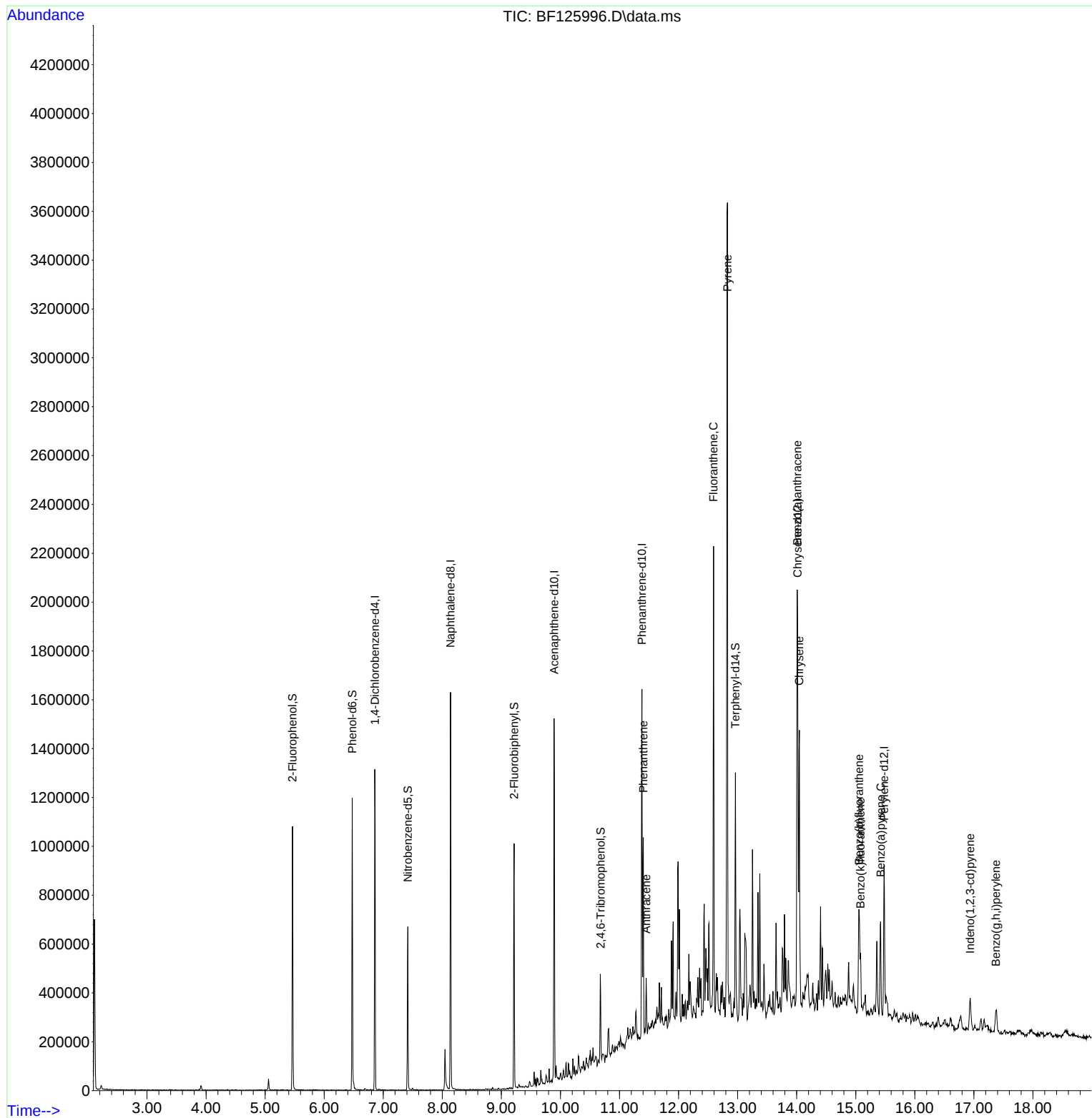
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Data File : BF125996.D
Acq On : 28 Oct 2021 19:01
Operator : JU/CG
Sample : M4336-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

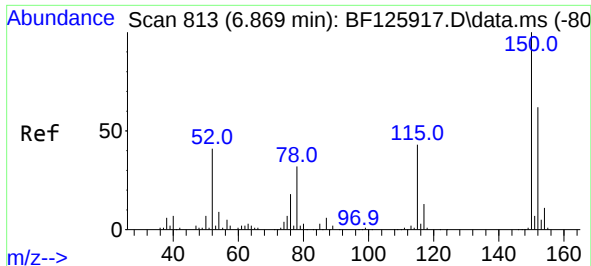
Instrument :
BNA_F
ClientSampleId :
C4

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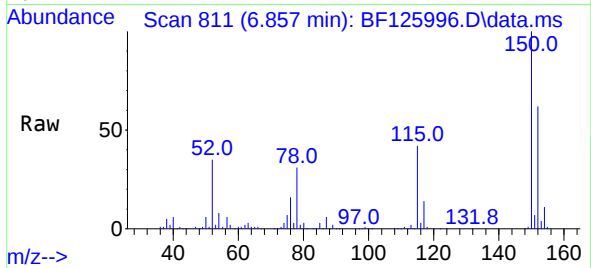
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Quant Time: Oct 29 10:42:09 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:01:54 2021
Response via : Initial Calibration

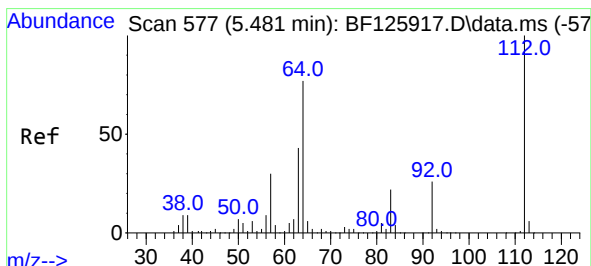
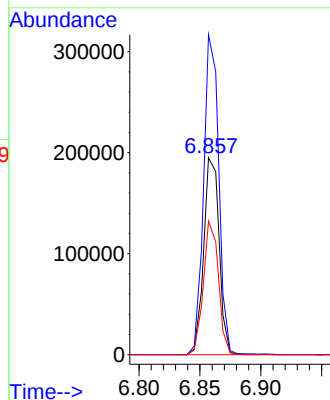
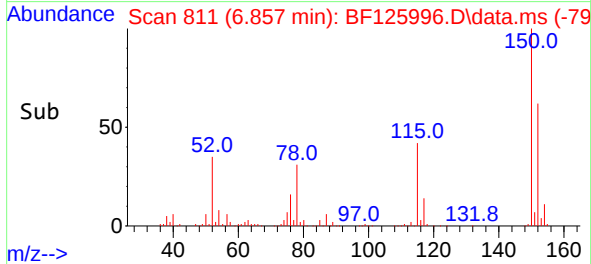




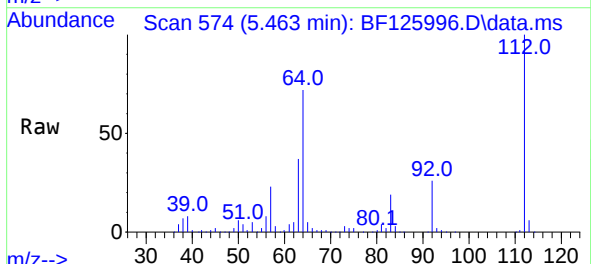
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



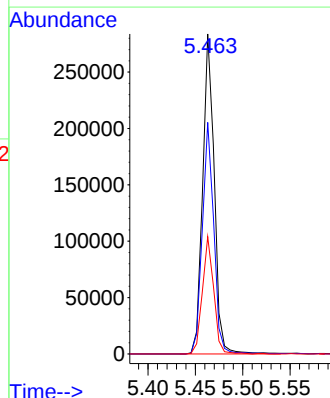
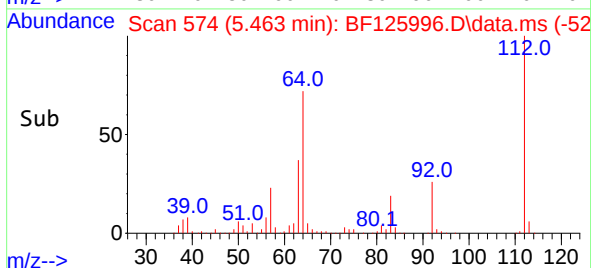
Tgt Ion:152 Resp: 172424
Ion Ratio Lower Upper
152 100
150 162.4 117.6 176.4
115 67.8 47.1 70.7



#5
2-Fluorophenol
Concen: 20.807 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



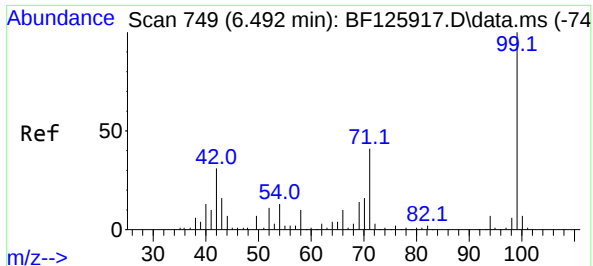
Tgt Ion:112 Resp: 240860
Ion Ratio Lower Upper
112 100
64 72.4 44.2 66.2#
63 36.7 26.2 39.2



Instrument :
BNA_F
ClientSampled :
C4

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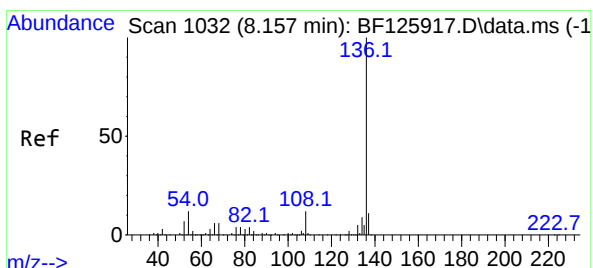
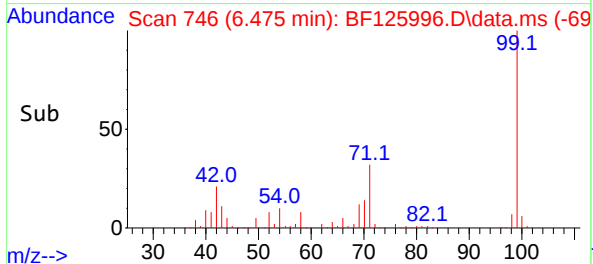
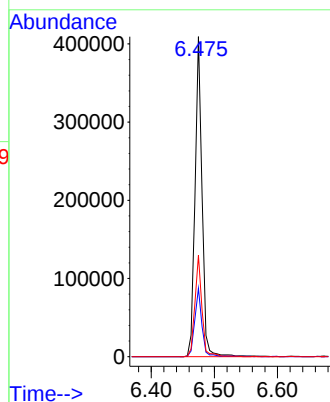
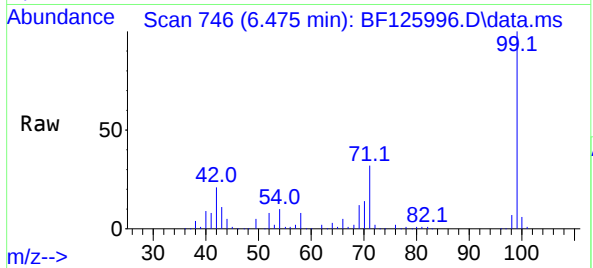
#7
Phenol-d6
Concen: 19.972 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion: 99 Resp: 317099
Ion Ratio Lower Upper
99 100
42 21.4 23.5 35.3#
71 31.7 25.6 38.4

Instrument :
BNA_F
ClientSampled :
C4

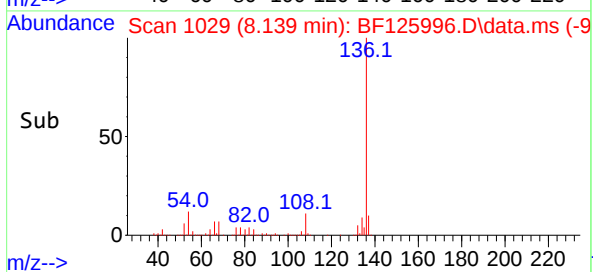
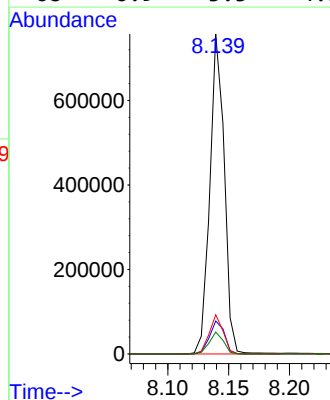
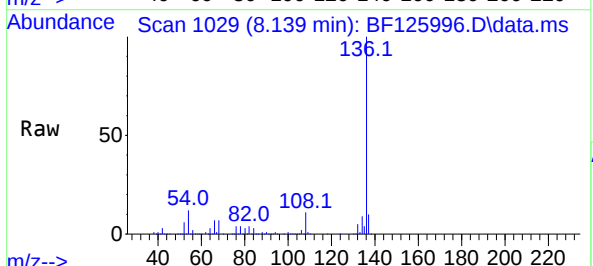
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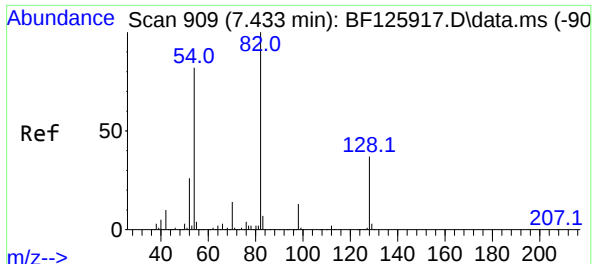
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

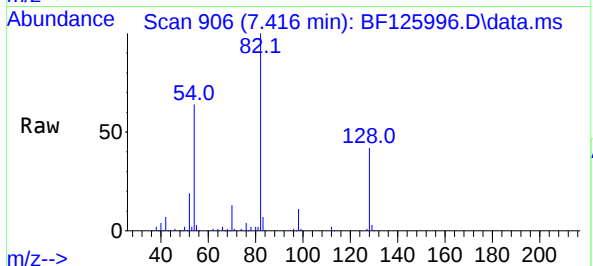
Tgt Ion:136 Resp: 623540
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 12.2 6.4 9.6#
68 6.9 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 14.872 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

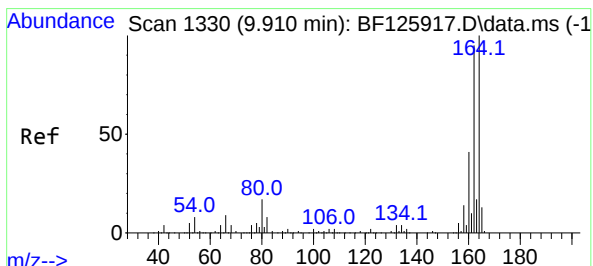
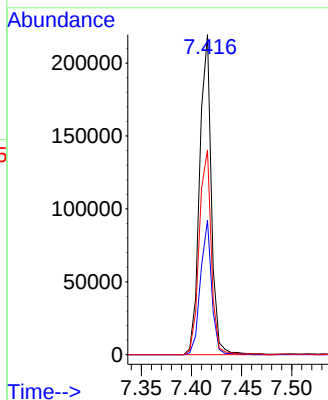
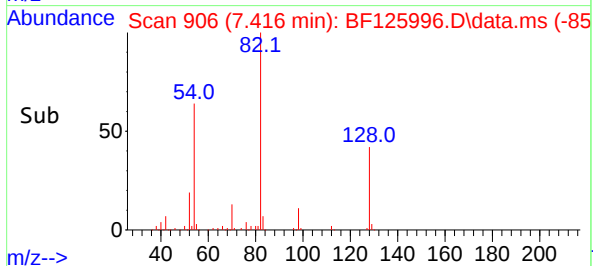
Instrument :
BNA_F
ClientSampled :
C4



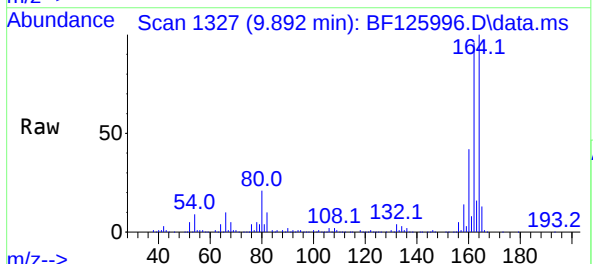
Tgt Ion: 82 Resp: 179532
Ion Ratio Lower Upper
82 100
128 42.0 40.6 60.8
54 64.0 49.6 74.4

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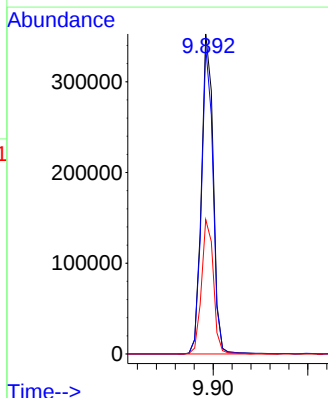
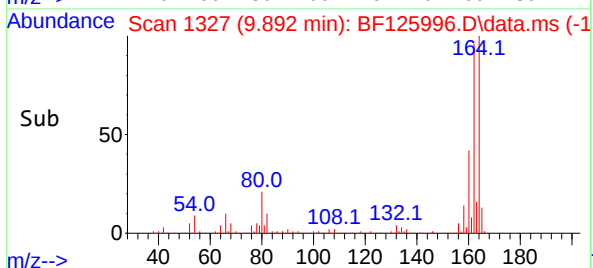
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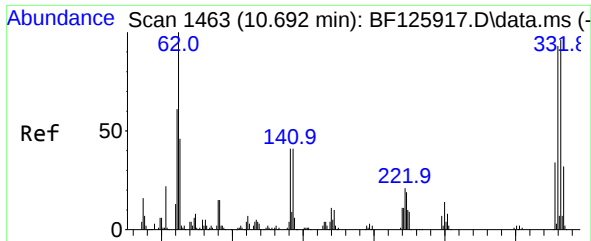


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



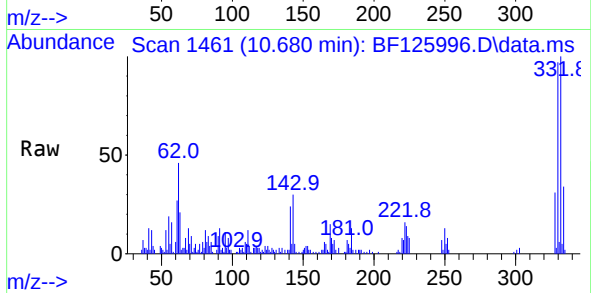
Tgt Ion: 164 Resp: 304319
Ion Ratio Lower Upper
164 100
162 96.0 81.3 121.9
160 42.0 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 13.037 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

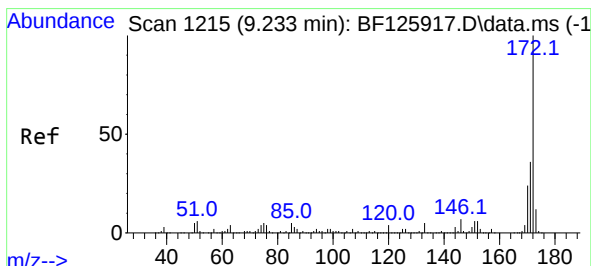
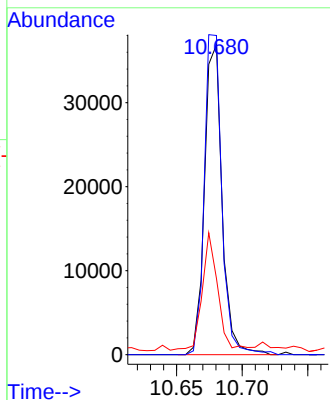
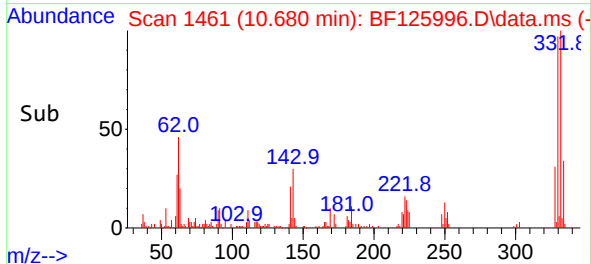
Instrument :
BNA_F
ClientSampled :
C4



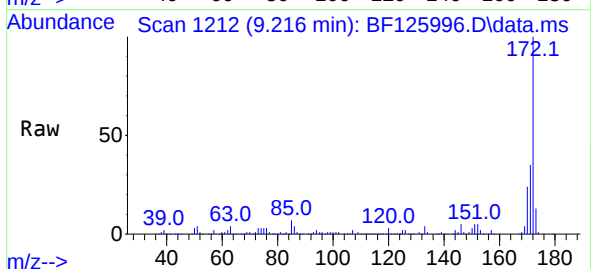
Tgt Ion:330 Resp: 34586
Ion Ratio Lower Upper
330 100
332 102.4 76.2 114.4
141 31.4 44.6 66.8#

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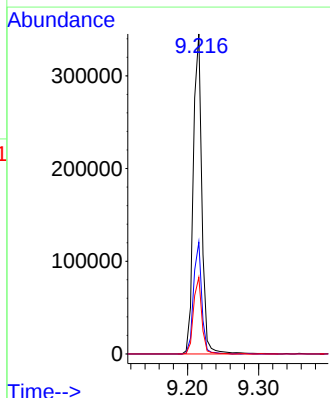
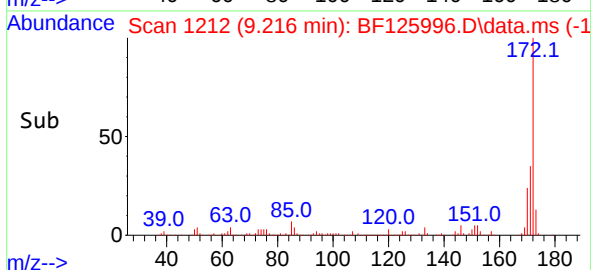
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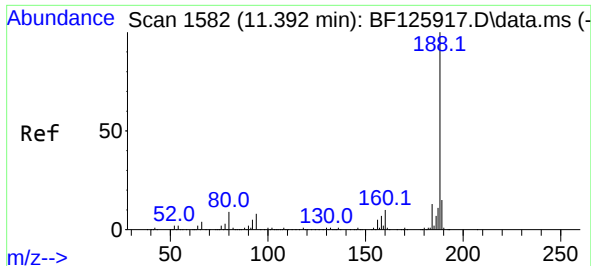


#45
2-Fluorobiphenyl
Concen: 16.875 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



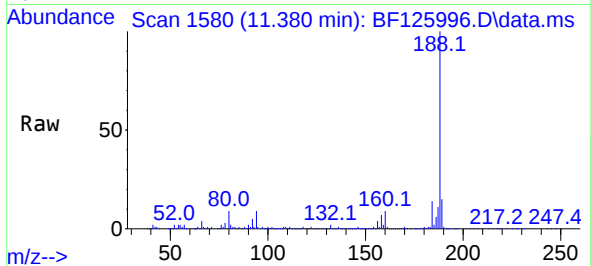
Tgt Ion:172 Resp: 290393
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 24.0 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

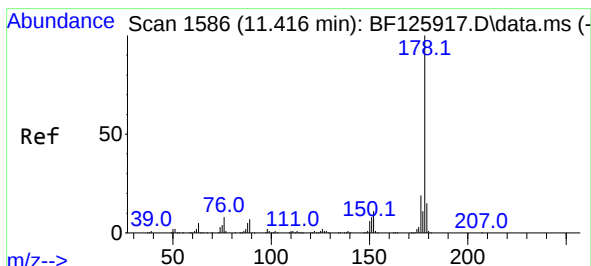
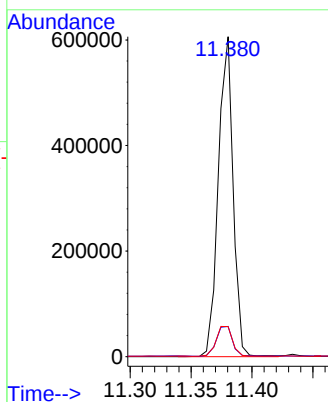
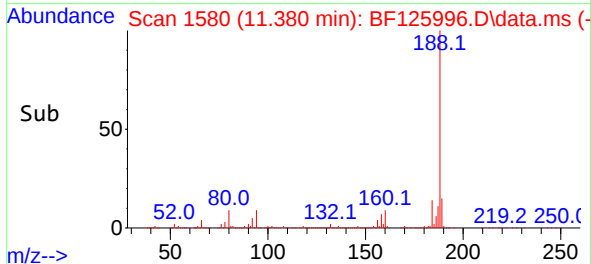
Instrument :
BNA_F
ClientSampled :
C4



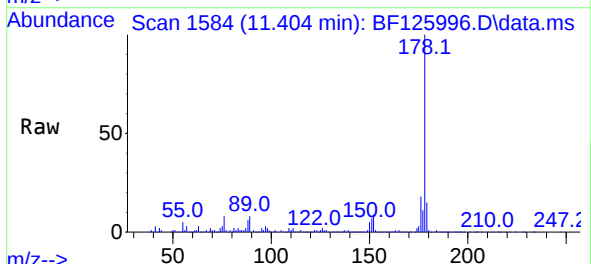
Tgt Ion:188 Resp: 512129
Ion Ratio Lower Upper
188 100
94 9.4 6.7 10.1
80 9.4 7.5 11.3

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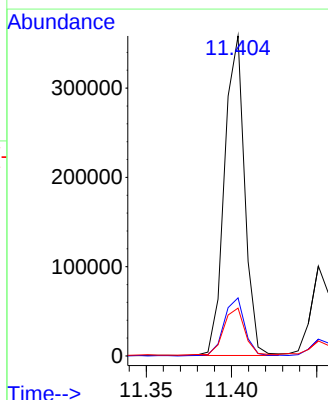
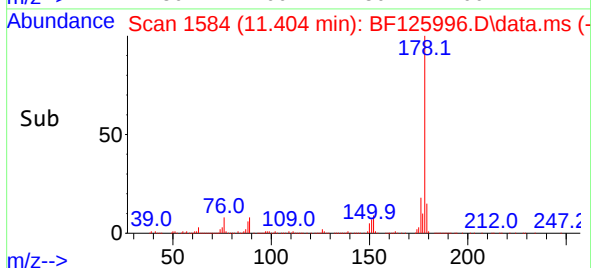
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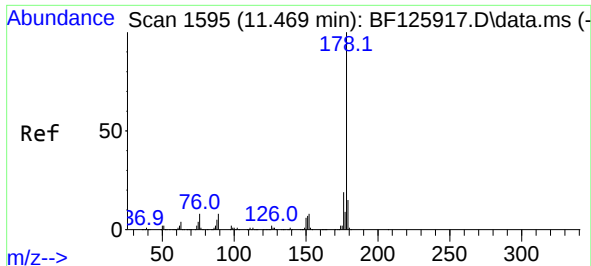


#71
Phenanthrene
Concen: 11.077 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

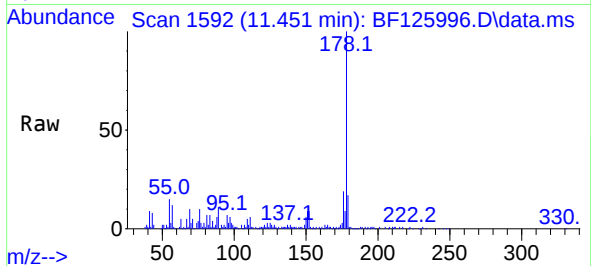


Tgt Ion:178 Resp: 294359
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 14.9 11.5 17.3

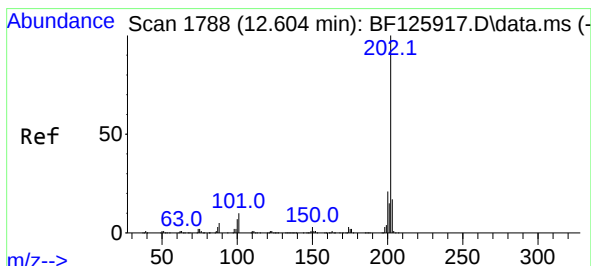
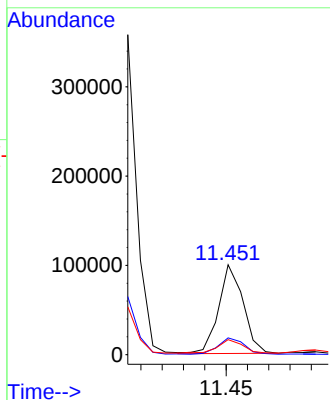
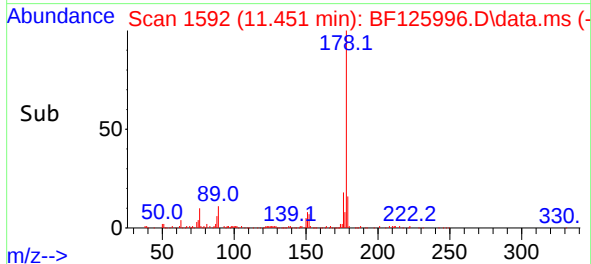




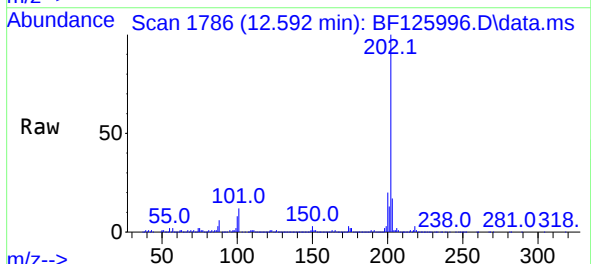
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 Anthracene
 Concen: 3.006 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF125996.D
 Acq: 28 Oct 2021 19:01



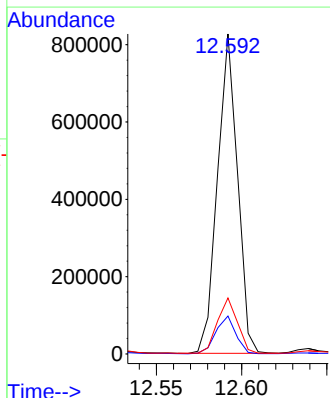
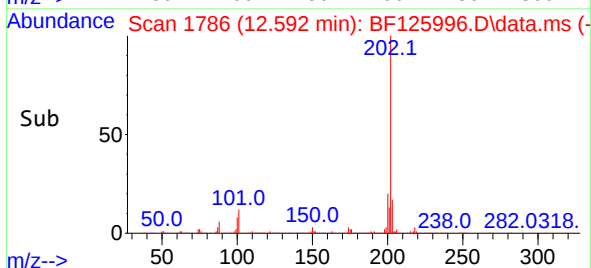
Tgt Ion:178 Resp: 79762
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.3 21.5
 179 16.7 12.2 18.4



#75
 Fluoranthene
 Concen: 25.183 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.000 min
 Lab File: BF125996.D
 Acq: 28 Oct 2021 19:01



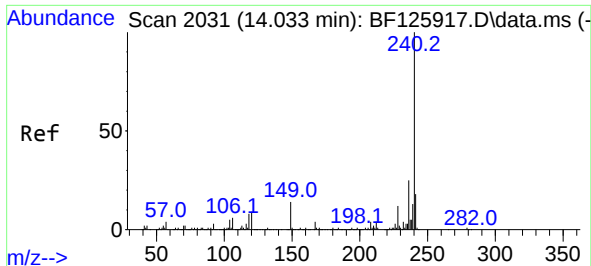
Tgt Ion:202 Resp: 674622
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 30.7
 203 17.5 0.0 36.3



Instrument :
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 ClientSampled :
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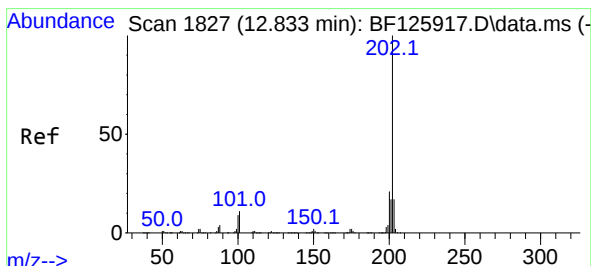
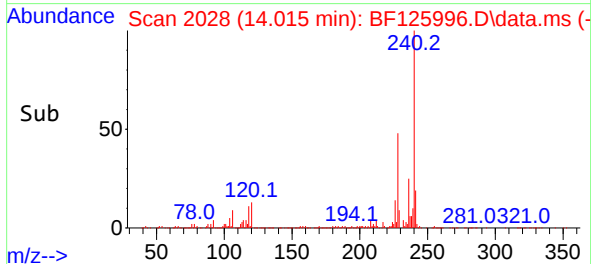
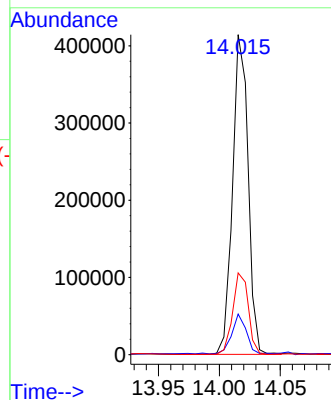
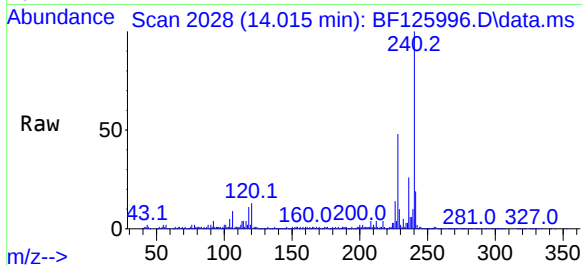
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Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:240 Resp: 366180
Ion Ratio Lower Upper
240 100
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236 25.5 21.6 32.4

Instrument :
BNA_F
ClientSampled :
C4

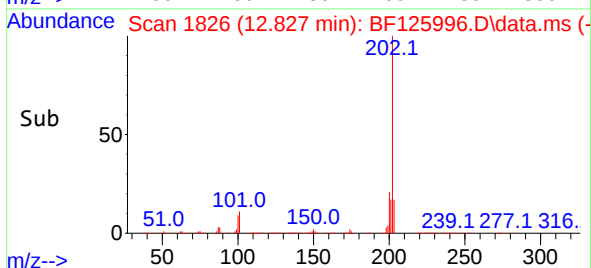
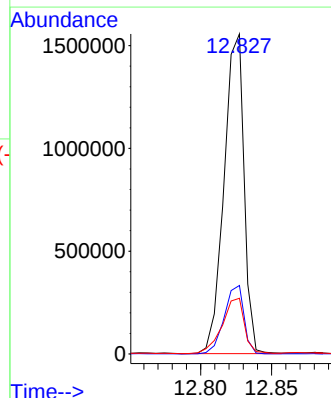
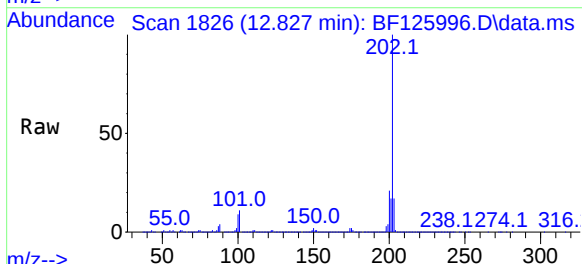
Manual Integrations
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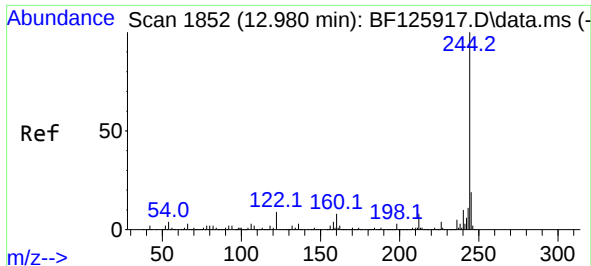
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#78
Pyrene
Concen: 44.753 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:202 Resp: 1525048
Ion Ratio Lower Upper
202 100
200 21.4 15.3 22.9
203 17.4 13.4 20.0





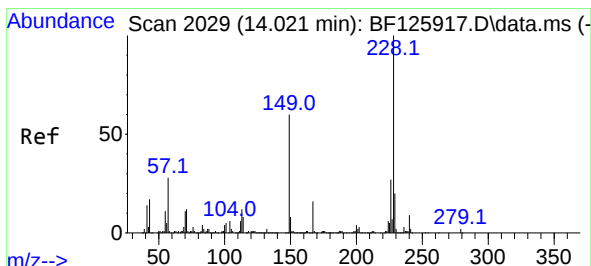
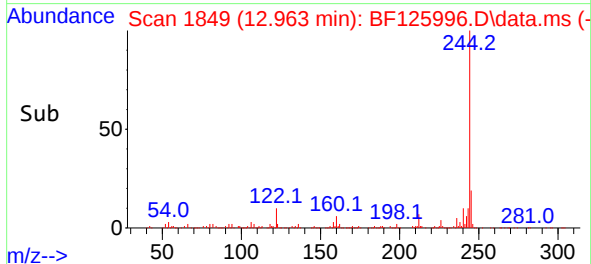
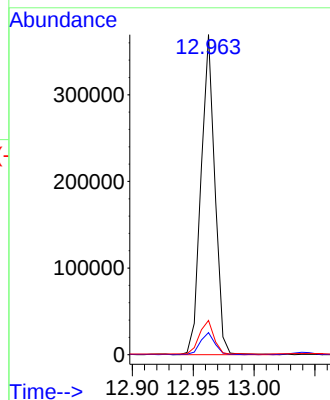
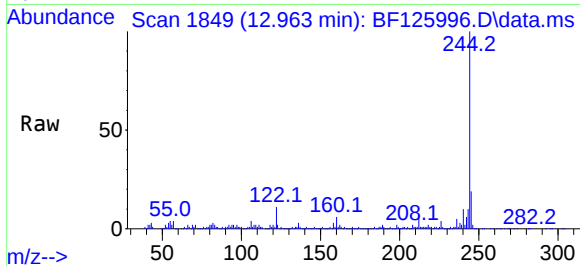
#79
Terphenyl-d14
Concen: 13.080 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:244 Resp: 292820
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 10.7 9.0 13.4

Instrument :
BNA_F
ClientSampled :
C4

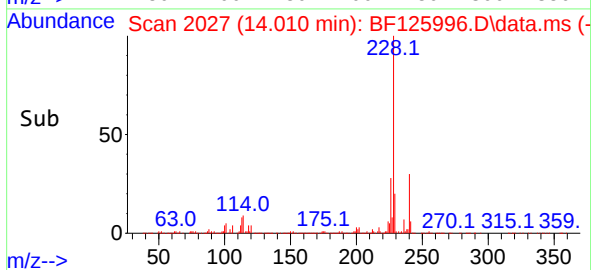
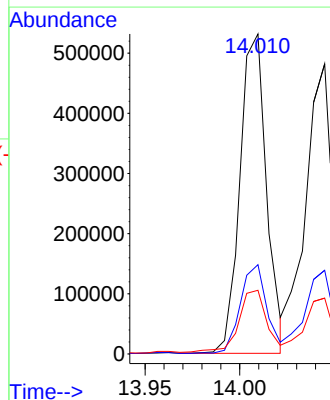
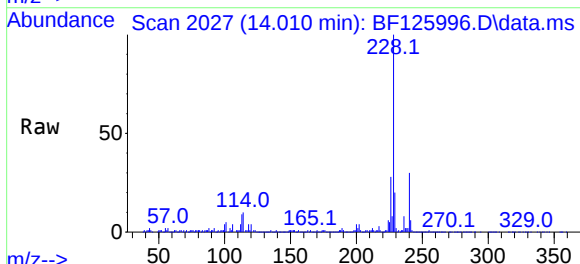
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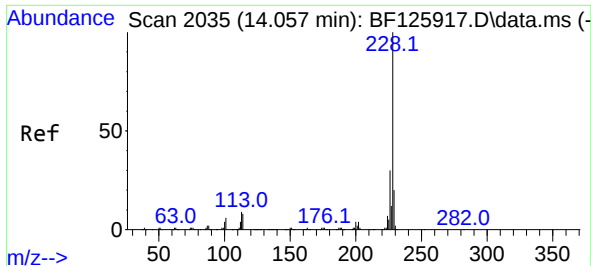
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#81
Benzo(a)anthracene
Concen: 21.085 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:228 Resp: 519663
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 19.9 15.6 23.4





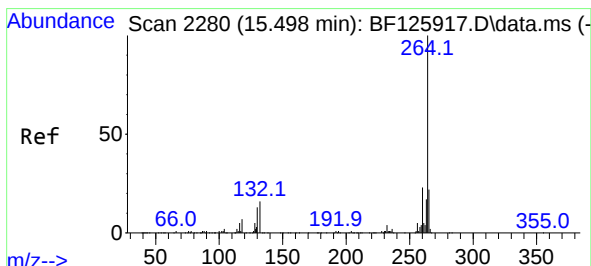
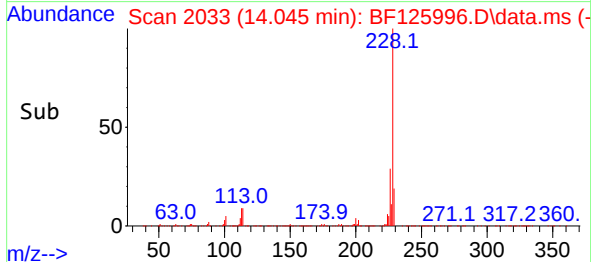
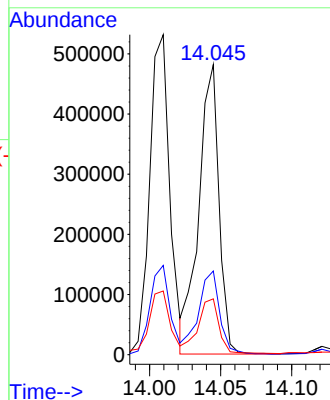
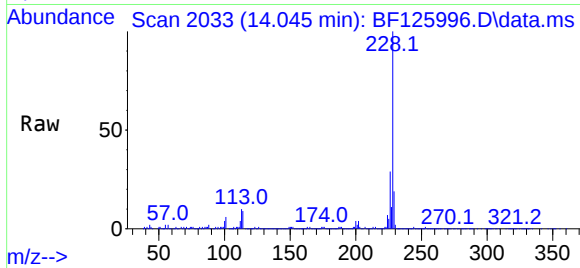
#83
Chrysene
Concen: 19.110 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:228 Resp: 476518
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 19.3 15.9 23.9

Instrument :
BNA_F
ClientSampled :
C4

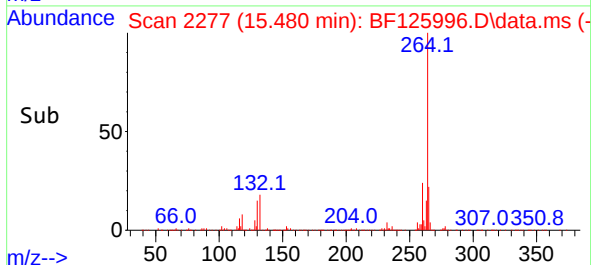
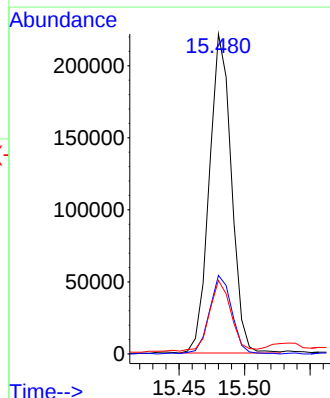
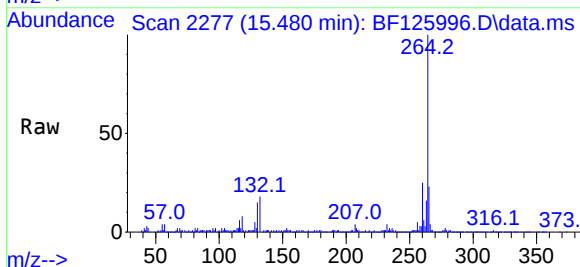
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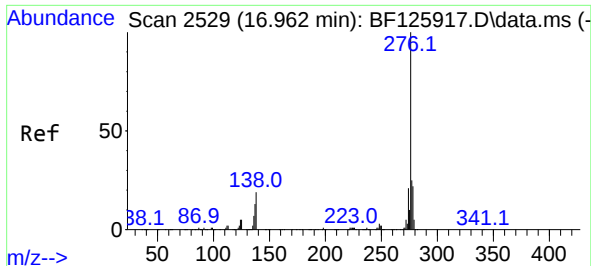
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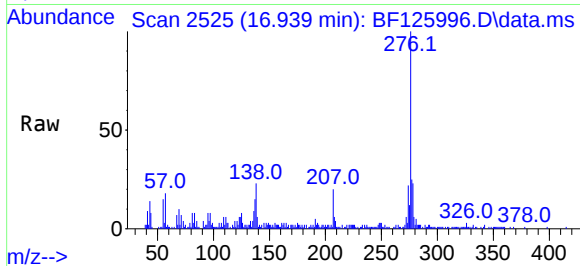
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:264 Resp: 259383
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 23.0 17.2 25.8

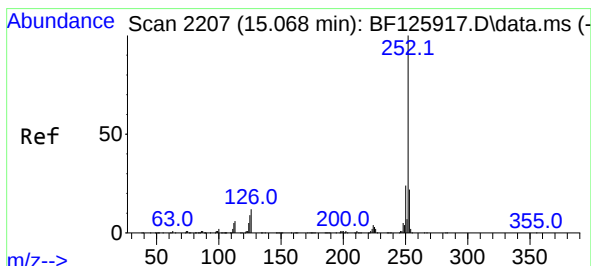
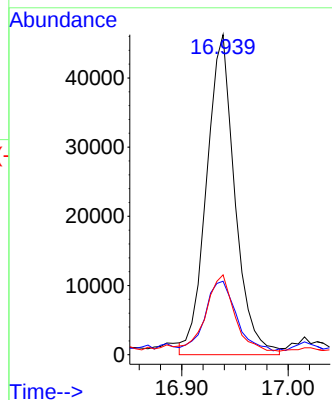
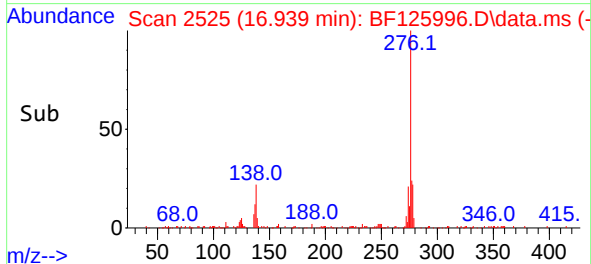




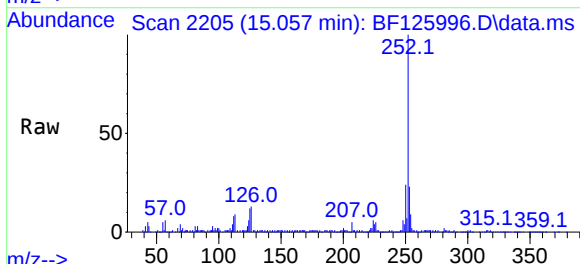
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.588 ng m
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



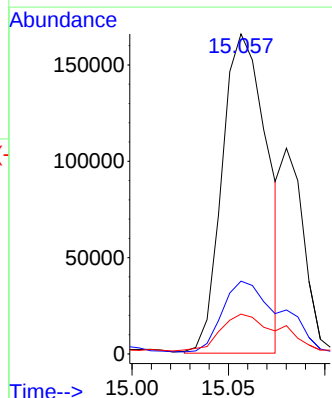
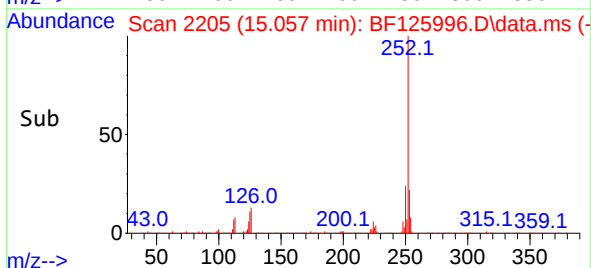
Tgt Ion: 276 Resp: 85725
Ion Ratio Lower Upper
276 100
138 6.8 24.1 36.1#
277 5.5 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 15.690 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



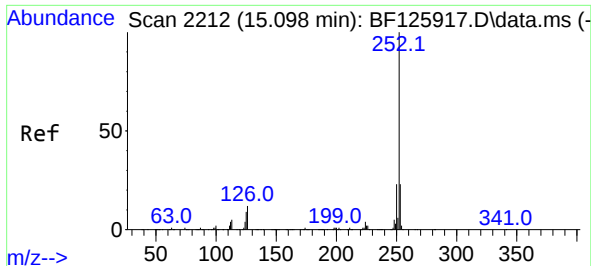
Tgt Ion: 252 Resp: 268628
Ion Ratio Lower Upper
252 100
253 22.7 16.8 25.2
125 12.4 9.8 14.8



Instrument :
BNA_F
ClientSampled :
C4

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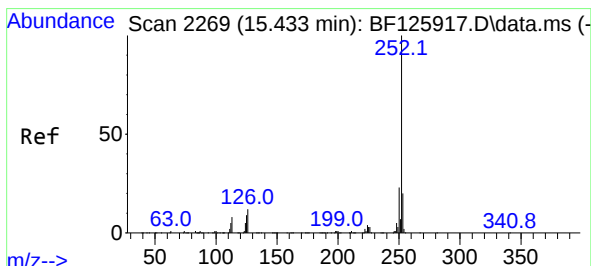
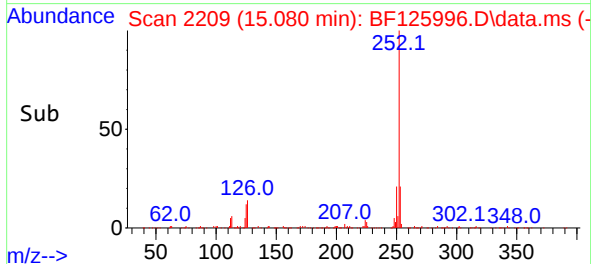
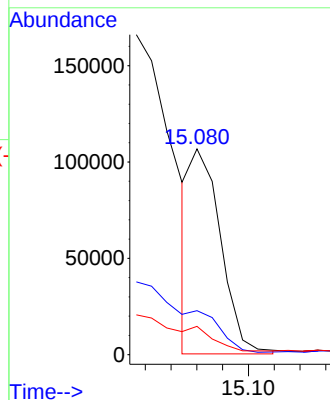
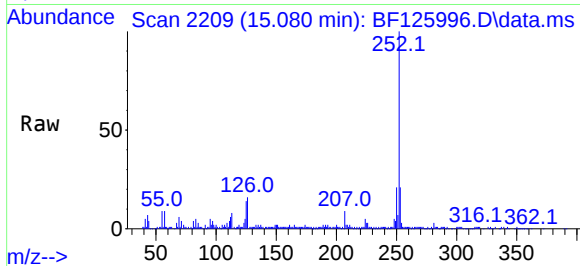
#89
Benzo(k)fluoranthene
Concen: 5.254 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:252 Resp: 86403
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 13.8 7.2 10.8#

Instrument :
BNA_F
ClientSampled :
C4

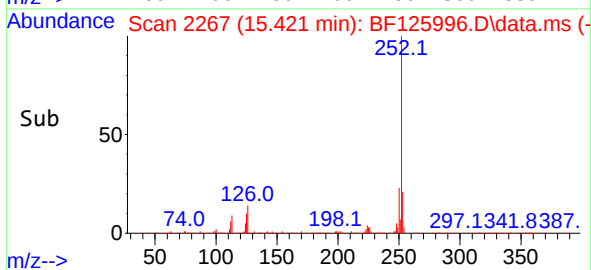
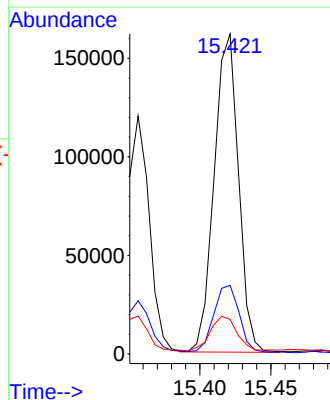
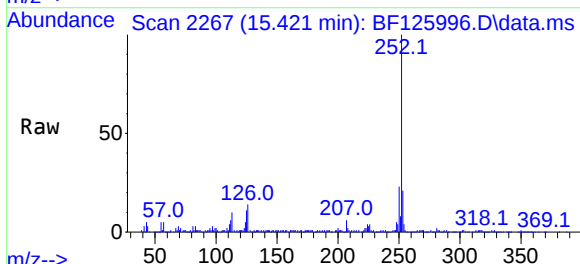
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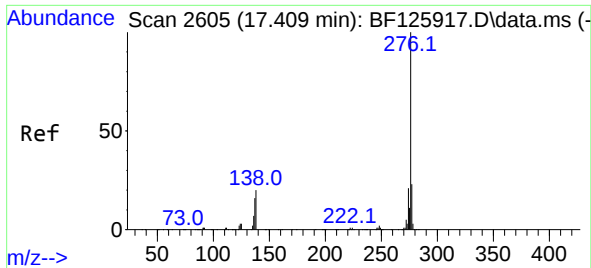
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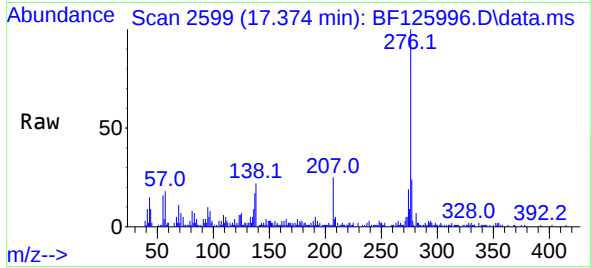
#90
Benzo(a)pyrene
Concen: 13.882 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01

Tgt Ion:252 Resp: 191878
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 10.8 9.9 14.9

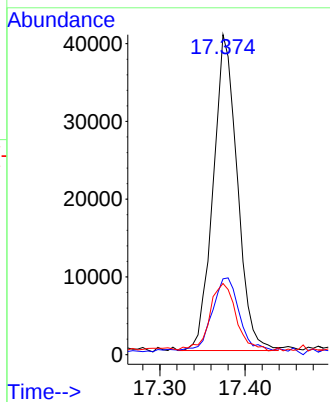
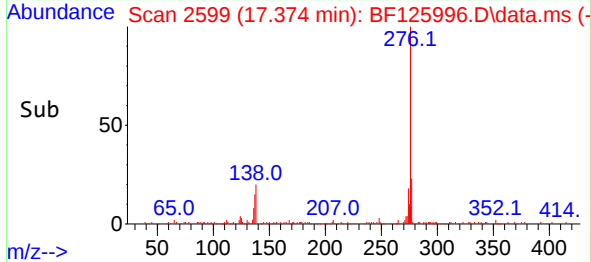




#92
Benzo(g,h,i)perylene
Concen: 5.060 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF125996.D
Acq: 28 Oct 2021 19:01



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	22.0	33.0
138	22.3	22.2	33.4



Instrument :
BNA_F
ClientSampled :
C4

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